

Re-run



## RAW SEQUENCE LISTING

DATE: 06/10/2003

PATENT APPLICATION: US/09/806,125D

TIME: 11:17:05

Input Set : A:\2556SEQ.txt

Output Set: N:\CRF4\06102003\I806125D.raw

ENTERED

WFK

## RAW SEQUENCE LISTING

DATE: 06/10/2003

PATENT APPLICATION: US/09/806,125D

TIME: 11:17:05

Input Set : A:\2556SEQ.txt

Output Set: N:\CRF4\06102003\I806125D.raw

```

67 <223> OTHER INFORMATION: The 'Xaa' at location 1 stands for 5-oxo-L-proline.
70 <220> FEATURE:
71 <221> NAME/KEY: MISC_FEATURE
72 <222> LOCATION: (6)..(6)
73 <223> OTHER INFORMATION: The 'Xaa' at location 6 stands for DLeu, DAla, DTrp, DSer
(tBu),
74      D2Nal, or DHis(ImBzl).
77 <220> FEATURE:
78 <221> NAME/KEY: MISC_FEATURE
79 <222> LOCATION: (9)..(9)
80 <223> OTHER INFORMATION: The 'Xaa' at location 9 stands for N-ethyl-L-prolinamide.
83 <400> SEQUENCE: 2
W--> 85 Xaa His Trp Ser Tyr Xaa Leu Arg Xaa
86 1      5
89 <210> SEQ ID NO: 3
90 <211> LENGTH: 10
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Oligopeptide designed to act as LH-RH agonist.
97 <220> FEATURE:
98 <221> NAME/KEY: MISC_FEATURE
99 <222> LOCATION: (1)..(1)
100 <223> OTHER INFORMATION: The 'Xaa' at location 1 stands for 5-oxo-L-proline.
103 <220> FEATURE:
104 <221> NAME/KEY: MISC_FEATURE
105 <222> LOCATION: (6)..(6)
106 <223> OTHER INFORMATION: The 'Xaa' at location 6 stands for DLeu, DAla, DTrp, DSer
(tBu),
107      D2Nal, or DHis(ImBzl).
110 <220> FEATURE:
111 <221> NAME/KEY: MISC_FEATURE
112 <222> LOCATION: (10)..(10)
113 <223> OTHER INFORMATION: The 'Xaa' at location 10 stands for L-glycinamide.
116 <400> SEQUENCE: 3
W--> 118 Xaa His Trp Ser Tyr Xaa Leu Arg Pro Xaa
119 1      5      10
122 <210> SEQ ID NO: 4
123 <211> LENGTH: 11
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Oligopeptide designed to act as LH-RH antagonist.
130 <220> FEATURE:
131 <221> NAME/KEY: MISC_FEATURE
132 <222> LOCATION: (1)..(1)
133 <223> OTHER INFORMATION: The 'Xaa' at location 1 stands for N(4H2-furoyl)Gly.
136 <220> FEATURE:
137 <221> NAME/KEY: MISC_FEATURE
138 <222> LOCATION: (2)..(2)
139 <223> OTHER INFORMATION: The 'Xaa' at location 2 stands for D2Nal.

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142 <220> FEATURE:
143 <221> NAME/KEY: MISC_FEATURE
144 <222> LOCATION: (3)..(3)
145 <223> OTHER INFORMATION: The 'Xaa' at location 3 stands for D4ClPhe.
148 <220> FEATURE:
149 <221> NAME/KEY: MISC_FEATURE
150 <222> LOCATION: (4)..(4)
151 <223> OTHER INFORMATION: The 'Xaa' at location 4 stands for D3Pal.
154 <220> FEATURE:
155 <221> NAME/KEY: MISC_FEATURE
156 <222> LOCATION: (6)..(6)
157 <223> OTHER INFORMATION: The 'Xaa' at location 6 stands for NMeTyr, Tyr, Aph(Atz),
158     or NMeAph(Atz).
161 <220> FEATURE:
162 <221> NAME/KEY: MISC_FEATURE
163 <222> LOCATION: (7)..(7)
164 <223> OTHER INFORMATION: The 'Xaa' at location 7 stands for DLys(Nic), DCit,
165     DLys(AzaglyNic), DLys(AzaglyFur), DhArg(Et2), DAph(Atz) or DhCi.
168 <220> FEATURE:
169 <221> NAME/KEY: MISC_FEATURE
170 <222> LOCATION: (9)..(9)
171 <223> OTHER INFORMATION: The 'Xaa' at location 9 stands for Lys(Nisp), Arg or hArg
(Et2).
174 <220> FEATURE:
175 <221> NAME/KEY: MISC_FEATURE
176 <222> LOCATION: (11)..(11)
177 <223> OTHER INFORMATION: The 'Xaa' at location 11 stands for D-alaninamide.
180 <400> SEQUENCE: 4
W--> 182 Xaa Xaa Xaa Xaa Ser Xaa Xaa Leu Xaa Pro Xaa
183 1 5 10
186 <210> SEQ ID NO: 5
187 <211> LENGTH: 10
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Oligopeptide designed to act as LH-RH antagonist.
194 <220> FEATURE:
195 <221> NAME/KEY: MISC_FEATURE
196 <222> LOCATION: (1)..(1)
197 <223> OTHER INFORMATION: The 'Xaa' at location 1 stands for N-acetyl-3-(2-naphthyl)-
D-
198     alanine.
201 <220> FEATURE:
202 <221> NAME/KEY: MISC_FEATURE
203 <222> LOCATION: (2)..(2)
204 <223> OTHER INFORMATION: The 'Xaa' at location 2 stands for D4ClPhe.
207 <220> FEATURE:
208 <221> NAME/KEY: MISC_FEATURE
209 <222> LOCATION: (3)..(3)
210 <223> OTHER INFORMATION: The 'Xaa' at location 3 stands for D3Pal.
213 <220> FEATURE:

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```

214 <221> NAME/KEY: MISC_FEATURE
215 <222> LOCATION: (5)..(5)
216 <223> OTHER INFORMATION: The 'Xaa' at location 5 stands for NMeTyr, Tyr, Aph(Atz),
217     or NMeAph(Atz).
220 <220> FEATURE:
221 <221> NAME/KEY: MISC_FEATURE
222 <222> LOCATION: (6)..(6)
223 <223> OTHER INFORMATION: The 'Xaa' at location 6 stands for DLys(Nic), DCit,
224     DLys(AzaglyNic), DLys(AzaglyFur), DhArg(Et2), DAph(Atz) or DhCi.
227 <220> FEATURE:
228 <221> NAME/KEY: MISC_FEATURE
229 <222> LOCATION: (8)..(8)
230 <223> OTHER INFORMATION: The 'Xaa' at location 8 stands for Lys(Nisp), Arg or hArg
(Et2).
233 <220> FEATURE:
234 <221> NAME/KEY: MISC_FEATURE
235 <222> LOCATION: (10)..(10)
236 <223> OTHER INFORMATION: The 'Xaa' at location 10 stands for D-alaninamide.
239 <400> SEQUENCE: 5
W--> 241 Xaa Xaa Xaa Ser Xaa Xaa Leu Xaa Pro Xaa
242 1          5          10
245 <210> SEQ ID NO: 6
246 <211> LENGTH: 6
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <220> FEATURE:
251 <221> NAME/KEY: MISC_FEATURE
252 <223> OTHER INFORMATION: Amino acid sequence common to kinase regions of receptor
type
253     tyrosine kinases.
256 <400> SEQUENCE: 6
258 His Arg Asp Leu Ala Ala
259 1          5
262 <210> SEQ ID NO: 7
263 <211> LENGTH: 5
264 <212> TYPE: PRT
265 <213> ORGANISM: Homo sapiens
267 <220> FEATURE:
268 <221> NAME/KEY: MISC_FEATURE
269 <223> OTHER INFORMATION: Amino acid sequence common to kinase regions of receptor
type
270     tyrosine kinases.
273 <400> SEQUENCE: 7
275 Ser Asp Val Trp Ser
276 1          5
279 <210> SEQ ID NO: 8
280 <211> LENGTH: 17
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Oligonucleotide designed to act as primer for amplifying
cDNA
286     fragment of EGF receptor-like kinase.

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## RAW SEQUENCE LISTING

DATE: 06/10/2003

PATENT APPLICATION: US/09/806,125D

TIME: 11:17:05

Input Set : A:\2556SEQ.txt

Output Set: N:\CRF4\06102003\I806125D.raw

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288 <400> SEQUENCE: 8
289 caymgggayy tggchgc 17
292 <210> SEQ ID NO: 9
293 <211> LENGTH: 16
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Oligonucleotide designed to act as primer for amplifying
cDNA
299      fragment of EGF receptor-like kinase.
301 <400> SEQUENCE: 9
302 arctccamac rtrcrt 16
305 <210> SEQ ID NO: 10
306 <211> LENGTH: 17
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Oligonucleotide designed to act as primer for amplifying
cDNA
312      fragment of insulin receptor-like kinase.
314 <400> SEQUENCE: 10
315 caymrggacy tkgcwgc 17
318 <210> SEQ ID NO: 11
319 <211> LENGTH: 16
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Oligonucleotide designed to act as primer for amplifying
cDNA
325      fragment of insulin receptor-like kinase.
327 <400> SEQUENCE: 11
328 arctccamac gtcnga 16
331 <210> SEQ ID NO: 12
332 <211> LENGTH: 17
333 <212> TYPE: DNA
334 <213> ORGANISM: Artificial Sequence
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Oligonucleotide designed to act as primer for amplifying
cDNA
338      fragment of PDGF or FGF receptor-like kinase.
340 <400> SEQUENCE: 12
341 caymrggacy tggcrgc 17
344 <210> SEQ ID NO: 13
345 <211> LENGTH: 16
346 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Oligonucleotide designed to act as primer for amplifying
cDNA
351      fragment of PDGF or FGF receptor-like kinase.
353 <400> SEQUENCE: 13
354 argaccasac rtrcrt 16
357 <210> SEQ ID NO: 14

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358 <211> LENGTH: 32

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/806,125D

DATE: 06/10/2003  
TIME: 11:17:06

Input Set : A:\2556SEQ.txt  
Output Set: N:\CRF4\06102003\I806125D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1, 6, 9  
Seq#:2; Xaa Pos. 1, 6, 9  
Seq#:3; Xaa Pos. 1, 8, 10  
Seq#:4; Xaa Pos. 1, 2, 3, 4, 6, 7, 9, 11  
Seq#:5; Xaa Pos. 1, 2, 3, 5, 6, 8, 10

**VERIFICATION SUMMARY**

DATE: 06/10/2003

PATENT APPLICATION: US/09/806,125D

TIME: 11:17:06

Input Set : A:\2556SEQ.txt

Output Set: N:\CRF4\06102003\I806125D.raw

L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0